

# WaterBox Model B

Automatic Irrigation Pumping System

**WATERBOX**  
POWERED BY GRUNDFOS



## APPLICATIONS

Automatic pumping system for medium sized turf and landscape irrigation systems



WaterBox Model B Pumping System

Why choose The  
WaterBox **Model B** Pumping System?

### GRUNDFOS Horizontal Multi-Stage Centrifugal Pump

- Stainless steel impellers and volute case
- Inlet & Discharge are cast iron
- Corrosion & Wear resistant
- High efficiency
- Quiet operation
- Ease of service

### GRUNDFOS Totally Enclosed Fan Cooled (TEFC) Electric Motor

- Sealed and greased for life motor bearings
- Over-sized drive bearing
- Quiet running

### YASKAWA iQPump Micro Drive

- Auto Start on Pressure Drop
- Surge-free starting allows for slow pipe fill upon start-up
- VFD fault shutdown
- Auto restart
- Surge Protection
- Motor overload protection
- Low Pressure shut down
- High pressure shut down
- Loss of prime protection
- Optional 24VAC remote start

### Marine Grade Aluminum Powder Coated Enclosure

- Low profile/compact design
- Large door opening with locking tab
- Internal power switch disconnect

### Overall

- All hydraulic parts are stainless steel
- Turn key installation
- Easy to service

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MODEL B ELECTRICAL DATA	
<b>Pump/Motor</b>	
Speed	3500rpm
Supply Voltage	220V ±10%
Supply frequency	60Hz
Enclosure class	IP55
Insulation class	Class F
<b>Yaskawa iQPump VFD</b>	
Voltage	240V+/-10%
Phase	Single
Hz	60
IP rating	56
Maximum load current	10A
Maximum motor size @ 240V input	1.8kW
Surge protection	Varistor

MODEL B MATERIALS OF CONSTRUCTION	
Part	Material
Casing	Cast Iron
Impellers	304 stainless steel
Stages (casing)	304 stainless steel
Pump shaft	316L stainless steel
Stage centring device	304 stainless steel
Mechanical seal	Carbon/ceramic
O-rings	EPDM
Plugs	316L stainless steel
Motor shell & lantern bracket	Aluminium with baked powder coat finish
Motor feet	Aluminium
Pump Plate	HDPE
Enclosure/cabinet	Aluminum with Sandstone Powder coat finish
Manifold/piping	304 Stainless steel

### GENERAL SPECIFICATIONS

- 75 GPM @ 65PSI
- 7' Suction Lift
- 230VAC, Single Phase, 60HZ
- 30amp Switched Disconnect
- Marine Grade Aluminum Powder Coated Enclosure
- **YASKAWA** iQPump Controller
- **GRUNDFOS** Stainless Steel Pump
- **GRUNDFOS** TEFC Motor
- Stainless Steel Manifold

### ADDITIONAL FEATURES

- Ships in 1 week or less
- Factory tested prior to shipment
- 2 year Bumper-To-Bumper Warranty

### PERFORMANCE

